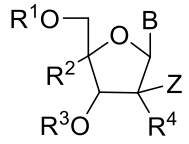
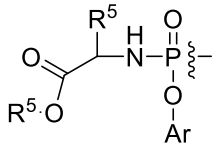
Claims

1. Use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of a medication for preventing or treating a coronavirus infectious disease,



(I)

wherein in the formula (I),

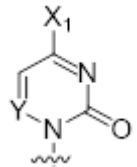
R^1 is H, R^5-CO-, or  , wherein Ar is phenyl, substituted phenyl, naphthyl, or substituted naphthyl, wherein the substituents are selected from the group consisting of $C_{1\text{-}6}$ alkyl, F, Cl, Br, I, CN, N_3, OH, NH_2, OR^5, and NHR^5;

R^2 is: azido;

R^3 is H, optionally substituted R-CO-, optionally substituted R-O(C=O)-, or optionally substituted RNH-CO-, wherein R is C_1-C_6 alkyl (e.g. methyl, ethyl, propyl, isopropyl, butyl, isobutyl, pentyl, isopentyl, or the like), wherein the substituents are selected from the group consisting of C_1-C_6 alkyl, halogen (e.g. F or Cl), CN, N_3, and OR^5;

R^4 is H;

B is selected from the group consisting of:



wherein X_1 is -NH_2;

Y is CH;

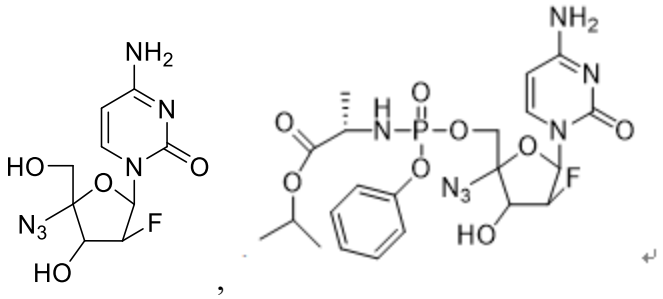
Z is F; and

R^5 is selected from the group consisting of H, C_1-C_6 alkyl (e.g. methyl, ethyl, propyl, or isopropyl), C_2-C_6 alkynyl (e.g. ethynyl), C_2-C_6 alkenyl (e.g. ethenyl), halo

C_1-C_6 alkyl (e.g. 2-chloroethyl, 2-fluoroethyl, or trifluoroethyl), phenyl optionally substituted with C_{1-6} alkyl, C_{1-6} alkoxy, CN, N_3, OH, NH_2, or halogen (e.g. F, Cl, Br, or I), and naphthyl optionally substituted with C_{1-6} alkyl, C_{1-6} alkoxy, CN, N_3, OH, NH_2, or halogen (e.g. F, Cl, Br, or I);

wherein the coronavirus infectious disease is a disease caused by infection with a virus of COVID-19.

2. The use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of a medication for preventing or treating a coronavirus infectious disease according to claim 1, wherein the compound represented by formula (I) is the following compound:



1 CL-236.

3. The use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of a medication for preventing or treating a coronavirus infectious disease according to claim 1 or 2, wherein the pharmaceutically acceptable salts of the compound represented by formula (I) are salts formed by the compound of formula (I) and the following acids: hydrochloric acid, hydrobromic acid, sulfamic acid, sulfuric acid, phosphoric acid, nitric acid, formic acid, acetic acid, propionic acid, oxalic acid, glycolic acid, malonic acid, benzoic acid, lactic acid, gluconic acid, citric acid, tartaric acid, succinic acid, fumaric acid, maleic acid, mandelic acid, malic acid, methanesulfonic acid, ethanesulfonic acid, 2-hydroxyethanesulfonic acid, benzenesulfonic acid, p-toluenesulfonic acid, naphthalenesulfonic acid, naphthalene disulfonic acid, camphorsulfonic acid, scorbic palmitatic acid, salicylic acid, sulfosalicylic acid, 2-hydroxy-3-naphthoic acid, phthalic acid, lysine, arginine, glutamic acid, glycine, serine, threonine, alanine,

isoleucine, or leucine.

4. The use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of a medication for preventing or treating a coronavirus infectious disease according to any one of claims 1 to 3, wherein the coronavirus infectious disease is a disease caused by infection with a virus of Coronaviridae, in particular diseases caused by infected humans or other animals, in particular diseases caused by human coronaviruses that infect humans, e.g. diseases caused by infection with CoV-229E, -OC43, -NL63, -HKU1, SARS-CoV, MERS-CoV, or COVID-19.

5. The use of a compound represented by formula (I) or pharmaceutically acceptable salts thereof in the preparation of a medication for preventing or treating a coronavirus infectious disease according to any one of claims 1 to 3, wherein a dosage form of the medication is an immediate-release dosage form, a sustained-release dosage form, or a controlled-release dosage form, such as a tablet, a hard or soft capsule, an aqueous or oily suspension, a granule, an emulsion, a syrup, an elixir, an injection, or a powder injection.